



Electronic Transmittal

August 28, 2022

To:
City of Richmond
Joe Leach, PE
Director of Public Works
450 Civic Center Plaza
Richmond, CA 94804

From:
Veolia North America
Mike Greene
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601 Canal Blvd, Richmond, CA 94804

RE: MONTHLY OPERATIONS REPORT_ JULY-2022

ATTN: Joe Leach

The following operations report is being submitted pursuant to Section 5.11 of the 2002 Operations and Maintenance Agreement between the City of Richmond and Veolia Water North America.

The report presents a summary of activities for the month of July, 2022. Note, significant portions of the information contained in the following summary have been previously covered in the (live) Biweekly Progress Meetings conducted between the City of Richmond and Veolia.

SUMMARY

1. SAFETY

1.1. Training: Required Monthly Safety Training was completed for staff



- 1.2. Covid 19 Restrictions: Masks are currently no longer required but can be worn by anyone that wishes to wear a mask

2. CAPITAL PROJECTS COLLECTIONS SYSTEM

2.1. Marina Bay Parkway Force Main Extension (aka Moody Underpass Sewer Reconfiguration Project)

- a. The Task Authorization for CO #2 was sent to the City 3/14/22.
- b. No change in status during April, May, June, and July. Still pending action by the City.
- c. Not on Council Agenda for the July 2022 Meetings.
- d. Pending action by the City.

2.2. Inaccessible Manhole Project

- a) Next steps are pending a reply from the City if Bay Hawk should be authorized to proceed with Phase I and how many of the locations (4 or 4+2=6) to include or if a different approach is desired.
- b) On 6/9/22, Mary Phelps and Jayne Lopez discussed Scope for Bay Hawk "Phase I".
- c) On 6/24/22, a TA for "Phase I" to expose / locate buried manholes at (6) locations was sent to the City. On 6/30/22 a Contract was sent to Bay Hawk for Phase I. Bay Hawk's Contract was executed on 7/6/22. Bonds were received on 7/12/22.
- d) The Notice To Proceed was issued 7/12/22. The first location will be in the "Tewksbury" vicinity where (2) manholes are buried under metal mesh & concrete.

2.3. Trash Capture Device Installation – 2022/23

- a. Environmental Studies and Permitting Kick-Off Meeting was held Monday 7/11/22.
- b. Environmental Field Studies will be conducted the week of August 8, 2022.
- c. Material Sampling and Testing of Soil/Silt to be removed from outfall is being scheduled with Questa. Jayne is meeting with Will Hopkins & Marc Feliciano of Questa on 7/14/22 at the outfall.
- d. A "Team Trash" Design Meeting held on Tuesday July 19, 2022 at 2:30 pm.

2.4. First Street Sewer Relief and Pipeline Rehabilitation Project

- a) As of 7/14/22, Post CCTV and As-Built Drawing review is complete. The Contractor is going to re-CCTV 2 line segments. Final pavement restoration to be scheduled July - August 2022.



2.5. High Priority Inaccessible Line Replacement

- a) D'Arcy & Harty completed 550 Key, including Open Trench at the segment where the Sewer Main paralleled a PG&E Gas Line under a planter, and adding (2) additional strategically spaced manholes in backyards for improved access. Backyard and fence restoration were completed July 1, 2022.
- b) D'Arcy & Harty provided NASSCO Post CCTV and As-Built Drawings on 7/12/2022. The Drop Box link for CCTV/As-Built was forwarded to VWHA for review.

2.6. Grade 5 RAA Line Replacement

- a) W.R. Forde provided documentation with costs for Contaminated Soil Disposal on 7/6/2022.
- b) Status as of 7/14/2022: Now that all final project costs have been identified and the 2022-2023 Budget has been released, the Prioritization List will be updated and a TA including all outstanding Change Order work will be prepared and submitted to the City.

2.7. Bishop & Western

- a) On 7/13/22, a "friendly reminder" was sent to the Contractor checking on the status of the NASSCO post CCTV.
- b) NASSCO Post-CCTV received from Bay Hawk and forwarded to VWHA for review on 8/9/22.

3. CAPITAL PROJECTS WWTP & FACILITIES

3.1. Regulators & Permits

- a) SRF Project Air Board (BAAQMD) permits
 - i. BAAQMD Senior Staff had additional questions. Carollo has submitted requested information.
 - ii. Per email from BAAQMD staff (Ryan Atterbury) of 7/01/20: "The application has now gone through supervisor and manager approval. The Authority to Construct (AC) Permit was issued on 7/28/20.

3.2. Grit/Screening/Blower and Aeration Upgrade Project (SRF-funded)

- a) Shimmick continues installing 3W piping within AB3.
- b) Shimmick started coating the 3W and RAS piping systems in AB4.
- c) Shimmick started installation of the forms and rebar for the screenings facility and Pista grit deck slabs.
- d) Shimmick continues to backfill the odor control and Pista Grit® facilities with approved soils generated from onsite.



3.3. Cogen Project

- a) Veolia applied for and received a permit extension on 7/19/22. Veolia oversaw the \$800 interconnection payment fee for Overaa/HydroScience on 7/20/22.
- b) Veolia T&P and CPM team members completed an all-day workshop to review and update 100% design on 7/27 and 7/28/22. HSE updating drawings and specifications to finalize design and GMP preparation.

3.4. SCADA Project

- a) Overall SCADA project progress is 100% complete.
- b) TA CO#4 submitted to the City on 6/14/22 for review and approval.

3.5. Seismic Evaluation

- a) A Seismic Evaluation Phase II TA was submitted to the City on 12/22/21
- b) The same TA was resubmitted to the City on 4/7/22

3.6. Sludge Thickener Phase I

- a) Myers and Sons presented the draft BODR at the 12/16/21 review meeting.
- b) Veolia submitted a TA for Change Order 1 on 6/21/22; the TA was approved by City Council and returned 7/27/22.

3.7. Ferry Point Sewer Pump Station Replacement

- a) NTP's effective date is July 1, 2022. The Project Team is working on long lead time submittals (Generator, PreCast Vaults, Electrical Gear) and SCADA coordination.
- b) Baseline Schedule received 6/27/2022. Mobilization and start of construction activity on site will be driven by lead and delivery time for the PreCast Concrete Vaults.
- c) A Project Meeting was held 7/12/22. The next Project Meeting will be 7/26/22 via Teams.

3.8. Critical Plant Projects – SBS Facility (Chemical Building)

- a) Carollo issued DC007 on 7/27/22.
- b) Carollo issued DC008 and DC008.1 on 7/28/22 and 8/5/22, respectively.
- c) Myers & Sons' subcontractor completed installing the generator ground ring.



- d) Myers & Sons' subcontractor completed CMU block wall construction. Myers & Sons' subcontractor began installing the TPO roofing.
- e) Myers & Sons installed the electrical room door.
- f) Myers & Sons began installing the double contained SBS piping between the new SBS facility and the confluence structure.

4. OPERATIONS AND MAINTENANCE

4.1. Collection System

- a. 4-year-out wastewater system cleaning progress
- b. 2004 Service Agreement annual cleaning miles objective is 49.8 miles
 - 1. 2021 planned hotspot cleanings (altered by the BKSA) and pre-CCTV cleaning is 139.34 miles. The total cleaned year to date is 70.51 miles. On target to be completed by Dec 31, 2022.
 - 2. The unplanned cleanings, e.g., service calls, post construction, etc. is 4.80 miles
 - 3. 10-year-out wastewater system CCTV condition assessment progress
 - a. 2004 Service Agreement annual CCTV miles objective is 19.7 miles
 - i. Grade 4 and 5 miles planned annual condition assessments (altered by BKSA) and 70% or less is 43.3 miles. The total completed year to date is 27.01 miles. On target to be completed by Dec 31, 2022
 - ii. Unplanned completed post-construction CCTV is 0.68 miles
 - b. Total gravity pipe segments in system reporting in InfoNet is 3,647
 - i. Pipe segments with CCTV < 10-years and > 70% complete is 3,426
 - ii. Pipe segments with CCTV > 10-years is 221
 - 1. (21) are greater than 10 years



- a. (5) Inaccessible due to train tracks
- b. (7) Scheduled for CCTV - Pending
- c. (6) Part of Inaccessible Manhole Project
- d. (3) Inaccessible for various reasons
- 2. (178) have surveys within 10 years but are less < 70% complete and are on the inaccessible list.
- 3. (22) are Inaccessible due to submerged pipes - (Keller Beach) awaiting future planning from the City

4. Sanitary Sewer Overflows

- a. Actual SSO's in July: 0
- b. 2022 Actual SSO's, YTD: 5
 - i. 2022 Permissible SSOs per Baykeeper Settlement Agreement:

5. Customer Service Calls = 5

6. Emergency & Miscellaneous Repairs

- a. Wastewater point repairs = 1
- b. Manhole cover repair = 0
- c. Stormwater point repairs = 0

7. Storm water collection response calls

- a. Customer service calls = 0
- b. Catch basins cleaned = 39

4.2. Plant Operations

- a) Blending Events – No blending in July 2022.
- b) Total coliform counts in excess of 1,600/100 ml (limit is 10,000)
- c) Ammonia NH₃ monthly at 33.12mg/L, Limit is 32 mg/L



- d) A total of (0) blending events for the year in 2022.
- e) Odor complaints 2022 = 8. Zero in July via email from the community reported to BAAQMD. All fence lines and perimeter checked ok.
- f) King Tides earlier this week had no negative impact on plant operations.

4.3. Maintenance Items

- a) Admin Building drain plumbing is failing, significant collapse. We have a proposal from RotoRooter. We have had suggested vendors out for review, they will revisit and CCTV to price repairs. We reached out to the vendors again last week, still no results. One vendor will not perform commercial work. Quotes in hand from Roto Rooter and Bay Hawk, two others declined to quote. Roto Rooter has the lowest price. The City will review its options.
- b) Contractors have been removing a substantial build up of grease from the influent wet well. Work commenced July 7 and completion is anticipated Tuesday 7/19